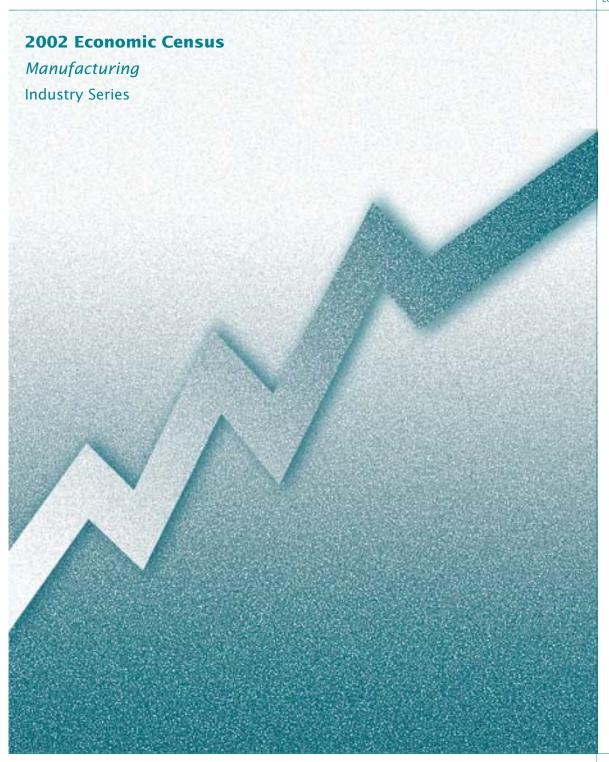
# Tire Retreading: 2002

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Helping You Make Informed Decisions

U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU



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-- Not applicable for this report.

# Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

			All All employees		Production workers				Total	Total	Total capital
Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	estab- lish- ments <sup>3</sup>	Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	shipments	expendi- tures (\$1,000)
326212, Tire retreading	440 N N N N 628	597 N N N N 750	8 083 8 593 7 655 7 580 8 148 7 855	195 522 204 598	5 011 5 283 5 145 5 451 6 258 5 885	10 107 10 966 10 948 11 755 13 562 12 706	121 781	482 676 466 326 405 755 369 205 454 679 396 036	816 252 650 123 592 704 618 312 550 268 571 796	1 286 798 1 102 056 993 825 985 300 1 003 440 970 615	31 798 28 899 52 227

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

#### Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

		All establishments <sup>2</sup>		All employees		Production workers						
Industry and geographic area	E¹	Total	With 20 em- ploy- ees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
326212, Tire retreading												
United States.  Alabama . California Georgia lowa Michigan New Jersey North Carolina Ohio Tennessee Texas Wisconsin	1 2 3 2 - 4 2 1	597 20 54 21 11 21 8 25 28 21 50	128 3 13 7 2 4 1 8 6 3 9 2	8 083 262 864 418 108 219 251 349 401 235 548 113	244 857 7 714 27 179 13 541 3 229 6 612 7 571 10 151 12 712 7 295 16 475 4 276	5 011 166 483 298 67 134 98 234 232 123 365 37	10 107 336 994 615 130 256 228 449 473 256 755 80	133 263 4 252 12 415 8 613 1 679 3 547 5 004 6 465 6 683 2 749 9 027 1 068	482 676 22 392 45 326 27 652 7 047 10 857 13 010 17 918 21 205 16 181 36 136 8 965	816 252 31 077 108 495 33 502 10 687 17 623 23 123 37 215 45 138 22 940 50 853 16 081	1 286 798 51 175 152 218 60 760 17 583 28 761 35 743 55 568 66 329 37 353 83 794 23 812	50 332 1 665 5 442 2 585 483 1 911 1 314 3 000 2 250 841 2 497 1 103

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

## Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
326212, Tire retreading	
Companies <sup>1</sup> number	440
All establishments <sup>2</sup>	597 469 123 5
All employees³         number           Total compensation         \$1,000           Annual payroll         \$1,000           Total fringe benefits         \$1,000	8 083 293 268 244 857 48 411
Production workers, average for year	5 011 4 978 4 987 5 022 5 014
Production worker hours	10 107 133 263
Total cost of materials         \$1,000.           Materials, parts, containers, packaging, etc., used         \$1,000.           Resales         \$1,000.           Purchased fuels         \$1,000.           Purchased electricity         \$1,000.           Contract work         \$1,000.	816 252 477 032 314 132 6 949 13 573 4 566
Quantity of electricity purchased for heat and power       1,000 kWh.         Quantity of electricity generated less sold for heat and power       1,000 kWh.	226 606 D
Total value of shipments         \$1,000           Primary products value of shipments         \$1,000           Secondary products value of shipments         \$1,000           Total miscellaneous receipts         \$1,000           Value of resales         \$1,000           Contract receipts         \$1,000           Other miscellaneous receipts         \$1,000	1 286 798 841 999 6 346 438 453 375 985 1 754 60 714
Primary products specialization ratio percent.  Value of primary products shipments made in all industries \$1,000.  Value of primary products shipments made in this industry \$1,000.  Value of primary products shipments made in other industries \$1,000.	99 847 610 D D
Coverage ratiopercent .	D
Value added	482 676
Total inventories, beginning of year         \$1,000.           Finished goods inventories         \$1,000.           Work-in-process inventories         \$1,000.           Materials and supplies inventories         \$1,000.	125 930 71 734 5 166 49 030
Total inventories, end of year         \$1,000           Finished goods inventories         \$1,000           Work-in-process inventories         \$1,000           Materials and supplies inventories         \$1,000	140 327 84 228 4 802 51 297
Gross value of depreciable assets (acquisition costs) at beginning of year         \$1,000           Total capital expenditures (new and used)         \$1,000           Buildings and other structures (new and used)         \$1,000           Machinery and equipment (new and used)         \$1,000           Automobiles, trucks, etc., for highway use         \$1,000           Computers and peripheral data processing equipment         \$1,000           All other expenditures for machinery and equipment         \$1,000           Total retirements         \$1,000           Gross value of depreciable assets at end of year         \$1,000	430 852 50 332 4 943 45 389 6 894 3 268 35 227 40 861 440 323
Depreciation charges during year\$1,000	38 639
Total rental payments \$1,000. Buildings and other structures \$1,000. Machinery and equipment \$1,000.	30 506 23 092 7 414
Total other expenses <sup>4</sup> \$1,000.  Response coverage ratio <sup>5</sup> percent.  Repair and maintenance services of buildings and/or machinery <sup>4</sup> \$1,000.  Communications services <sup>4</sup> \$1,000.  Legal services <sup>4</sup> \$1,000.  Accounting, auditing, and bookkeeping services <sup>4</sup> \$1,000.  Advertising and promotional services <sup>4</sup> \$1,000.  Expensed computer hardware and supplies and purchased computer services <sup>4</sup> \$1,000.  Refuse removal (including hazardous waste) services <sup>4</sup> \$1,000.  Management consulting and administrative services <sup>4</sup> \$1,000.  Taxes and license fees <sup>4</sup> \$1,000.  All other expenses <sup>4</sup> \$1,000.	71 113 68 8 587 2 572 185 1 080 1 131 1 452 1 464 4 778 4 456 45 408

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

#### Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class			All employees		Pi	oduction worke	ers		Total	Total	Total capital
		All estab- lish- ments <sup>2</sup>	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
326212, Tire retreading											
All establishments	1	597	8 083	244 857	5 011	10 107	133 263	482 676	816 252	1 286 798	50 332
1 to 4 employees	6	219	426	11 634	285	498	6 835	22 388	32 922	55 891	2 753
5 to 9 employees	2	110	745	19 391	554	1 132	13 536	42 815	63 962	107 189	4 916
10 to 19 employees	2	140	1 988	58 745	1 378	2 772	36 310	124 054	206 561	328 137	9 898
20 to 49 employees	¦	110 13	3 393 849	107 590 26 527	1 962 488	3 981 996	52 508 13 030	204 406 51 711	374 353 78 147	569 794 128 930	17 706 5 969
50 to 99 employees	l	13	682	20 970	344	728	11 044	37 302	60 307	96 857	9 090
250 to 499 employees	_	] =	- 002	20 370	"	720	11 044	07 002	00 007	30 037	3 030
500 to 999 employees	-	_	_	_	_	_	_	_	_	_	_
1,000 to 2,499 employees	l –	-	_	-	-	_	_	_	_	_	_
2,500 employees or more	-	-	_	-	-	_	-	_	-	_	_
Administrative records <sup>4</sup>	9	156	321	8 807	211	362	5 033	16 506	21 666	38 166	1 867

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

## Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or	Industry or primary product class	All	All em	ployees	Pr	oduction work	ers		Total	Total	Total capital
Industry or product class code		All estab- lish- ments <sup>1</sup>	Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	expendi- tures (\$1,000)
326212	Tire retreading	597	8 083	244 857	5 011	10 107	133 263	482 676	816 252	1 286 798	50 332
3262120	Tire rebuilding and retreading	597	8 083	244 857	5 011	10 107	133 263	482 676	816 252	1 286 798	50 332

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

<sup>&</sup>lt;sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

#### Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of		Product shipments		
Product code	Product	companies with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
326212	Tire retreading	N N	X	X	847 610 785 747	
3262120	Tire rebuilding and retreading	Ŋ	X	×	847 610	
32621201	Tire rebuilding and retreading	N N	X	į	785 747 621 165	
3262120100	1997 Tire rebuilding and retreading	149	X	X	662 608 621 165	
3262120Y	1997 Tire rebuilding and retreading, nsk, total	215 N	X	X	662 608 226 445 123 139	
3262120YWW	Tire rebuilding and retreading, nsk, for nonadministrative-record establishments	N N	X		197 061	
2000100\/M\/	1997	N N	â	)	71 932	
3262120YWY	Tire rebuilding and retreading, nsk, for administrative-record establishments	N N	X	X	29 384 51 207	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

# Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Not applicable for this report.]

# Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
326212	Tire retreading		
00900001	Total materials	X	477 032
32621107	1997 Tread rubber (camelback)	X	416 774 206 288
32621109	1997   Tire repair materials (rubber)	X X X	180 550 31 330 43 338
00999805	Pneumatic casings from used tires	X	34 151
00970099	All other materials and components, parts, containers, and supplies	X	71 380 62 592
00971000	Materials, ingredients, containers, and supplies, nsk	X X X	25 941 142 671 95 565

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.